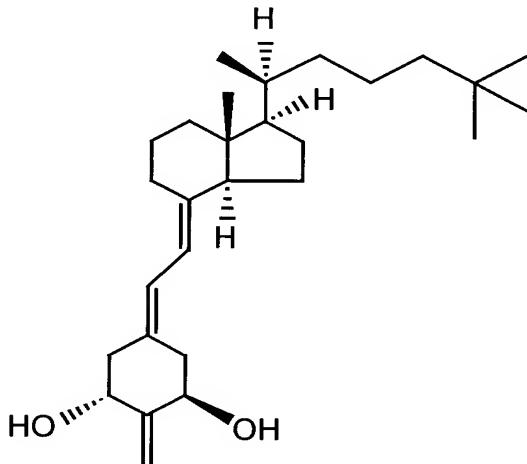


2-METHYLENE-19-NOR-20(S)-25-METHYL- 1 α -HYDROXYCALCIFEROL AND ITS USES

ABSTRACT OF THE DISCLOSURE

5 This invention provides a novel vitamin D analog, namely, 2-methylene-19-nor-20(S)-25-methyl-1 α -hydroxycalciferol. The compound has the formula:



This 2-substituted compound is characterized by relatively high intestinal calcium transport activity and relatively low bone calcium mobilization activity resulting in
10 novel therapeutic agents for the treatment of diseases where bone formation is desired, particularly osteoporosis. These compounds also exhibit pronounced activity in arresting the proliferation of undifferentiated cells and inducing their differentiation to the monocyte thus evidencing use as anti-cancer agents and for the treatment of diseases such as psoriasis.